CRO - Yakima

WASHINGTON STATE DEPARTMENT OF ECOLOGY

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Underground Storage Tank

Check those activities which apply: ☐ Tightness Testing Checklist ☐ Retrofit/Repair checklist ☒ Cathodic Protection Checklist

The attached Underground Storage Tank (UST) checklists are required for each of the listed activities. The checklists certify that Tightness Testing, Retrofit/Repair and or Cathodic Protection activities are performed and conducted in accordance with Chapter 173.360 WAC. **Complete this form and the corresponding UST checklist for each activity checked above.**

See back of form for instructions. 4260087

1. UST SYSTEM LOCATION AND OWNER

UBI Number: _____ (UBI # from Master Business License)

Site ID Number: _____ (Available from Ecology if tank is registered)

Site/Business Name: Smitty's #140

Site Address: 520 E Columbia Dr (Street) 0 (County)

Toppenish (City) Washington (State) 98948 (Zip+4 (required))

Telephone: 509-865-5909

UST Owner/Operator: RH Smith Dist

Mailing Address: PO Box 6 (Street / P.O. Box)

Grandview (City) Washington (State) (Zip+4 (required))

Telephone: 800 832 4507

2. FIRM PERFORMING WORK

Service Company: Northwest Tank & Environmental Services, Inc.

Service Co. Address: 17407 59th Ave SE (Street) Snohomish (County)

Snohomish (City) Washington (State) 98296 (Zip+4 (required))

Certified Supervisor: Josh Raymond

Address: 17404 59th ave SE (Street / P.O. Box)

Snohomish (City) Washington (State) 98296 (Zip+4 (required))

IFCI Certification Number: 0 5296767-U4 Certification issue Date (Month/Year): 3/13/2007

Telephone: (425) 742-9622

Ecology is an equal opportunity and affirmative action employer

For special accommodation needs, please contact the Underground Storage Tanks Section at (360) 407-7170.

Underground Storage Tank

Cathodic Protection Checklist

Site ID # _____

Site Address 520 E Columbia Dr

City Toppenish

The information provided in this section should reflect the UST system after the completion of cathodic protection installation of retrofit. Provide the following information for each tank that is cathodically protected with impressed current or sacrificial anodes. For more than four UST systems, you may photocopy this form prior to completing.

I. UST SYSTEM INFORMATION

	Tank 1	Tank 2	Tank 3	Tank 4
1. Tank ID# (tank name registered with Ecology)				
2. Year tank installed				
3. Tank capacity in gallons	8000	6000	6000	
4. Tank material	Steel	Steel	Steel	
5. Tank coating				
6. Piping construction material	Steel	Steel	Steel	
7. Piping coatings	Tape	Tape	Tape	
8. Year cathodic protection installed				

II. CATHODIC PROTECTION INFORMATION

	Tank 1	Tank 2	Tank 3	Tank 4
1. Type of Cathodic Protection (check box)				
Sacrificial Anode (Galvanic)				
Impressed Current	X	X	X	
Check Box(es)				
2. Type of cathodic protection activity performed				
• Installation of new cathodic protection system				
• Retrofitting of existing cathodic protection system				
• Repair of existing cathodic protection system				
• Testing	X	X	X	
Other (describe in space below)				
3. **Completion date of activity checked above**	4/18/2007	4/18/2007	4/18/2007	

Cathodic Protection Checklist (continued)

Site ID # _____
Site Address 520 E Columbia Dr
City Toppenish

The following items shall be initialed by the Certified Supervisor whose signature appears below.
All of the following items shall be initialed when cathodic protection systems are installed or retrofitted.
When cathodic protection testing is done solely to evaluate the performance of existing cathodic protection systems on existing UST installations only 10, 11 and 12 are required to be initialed.

III. CATHODIC PROTECTION INSTALLATION/RETROFITTING

	Yes	No	N/A*
1. If field-installed, has the cathodic protection system been designed by a person who is: 1) accredited or certified as being qualified by the National Association of Corrosion Engineers or 2) is registered professional engineer who has certification or licensing that includes education and experience in corrosion control of buried or submerged metal piping systems and metal tanks?	☐	☐	☒
2. Are the size, type, location and installation of tank and piping anodes in the completed installation/retrofit as specified in the design plans and specifications?	☐	☐	☒
3. have all existing anodes, anode connections and test leads been inspected and any required repairs or replacements been made?	☐	☐	☒
4. For impressed current systems, does the installed rectifier meet design specifications?	☐	☐	☒
5. For impressed current systems, has the rectifier been installed per code and manufacturer's requirements?	☐	☐	☒
6. Are the electrical connections between system components per code and design specifications?	☐	☐	☒
7. Have provisions been made for testing cathodic protection systems or tanks(s) and piping as specified in WAC 173-360-305?	☐	☐	☒
8. Has the cathodic protection system installation/retrofit been tested after being energized according to applicable criteria in the National Association of Corrosion Engineers Standard RP-02-85?	☐	☐	☒
9. Has the owner/operator been provided with written documentation of the cathodic protection system installation/retrofit?	☐	☐	☒

Cathodic Protection Testing

10. Have all cathodic protection systems on tank(s) and piping been tested and inspected and determined to be properly operating according to applicable criteria in National Association of Corrosion Engineers Standard RP-02-85?	✓	☐	☐
11. Has the owner/operator been provided with written documentation of the results of the cathodic protection system inspection and testing?	✓	☐	☐

12. List millivolt reading for each tank. Tank #1 -0.5 Tank #2 -0.477 Tank #3 -0.571 Tank #4 _____

* Item not applicable

IV. REQUIRED SIGNATURES

I hereby attest, that I have been the Certified Supervisor present during the above listed testing activities, and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures, pertaining to underground storage tanks.

Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173.360 WAC.

Date	Signature of Certified Supervisor	Printed Name
4/17/2007	✓	Josh Raymond
Date	Signature of Tank Owner/Authorized Representative	Printed Name

Northwest Tank & Environmental Services, Inc.
Corrosion Survey Field Data & Table

Location: Smitty's #140
520 E Columbia Dr
Toppenish WA 98948

Test Date: 4/17/2007

Operator: Josh Raymond

☒ Impressed
☐ Sacrificial
☐ STIP-3

Resurvey data, local potential measurements, Cu/CuSo4 reference electrode
1. "Native Potentials" (mV)
2. "On" Potentials (mV)
3. "Instant Off" Potentials (mV)
4. Sacrificial Anode / STIP-3

Potential measurements in mV, Cu/CuSo4 reference

			Impressed Current				
Tank	Size	Product	1.	2.	3.	4.	Notes
1	8000	Regular		-0.655	-0.655		
		#1		-0.5	-0.5		
☐ Pass		#2					
☒ Fail		#3					does not meet CP standards. #1 turbine sump #2 by fill
		#4					
	Lines						
☐ Pass	#17 At Turbine						
☐ Fail	#18 At Dispenser						
2	6000	Premium					
		#5		-0.729	-0.729		
☐ Pass		#6		-0.477	-0.477		
☒ Fail		#7					
		#8					#5 turbine sump #6 by fill
	Lines						
☐ Pass	#19 At Turbine						
☐ Fail	#20 At Dispenser						
3	6000	Diesel					
		#9		-0.596	-0.596		
☐ Pass		#10		-0.591	-0.591		
☒ Fail		#11					
		#12					#9 turbine sump #10 by fill No instant off drop when rectifier is turned off. No voltage across shunt on rectifier.
	Lines						
☐ Pass	#21 At Turbine						
☐ Fail	#22 At Dispenser						
4							
		#13					
☐ Pass		#14					
☐ Fail		#15					
		#16					
	Lines						
☐ Pass	#23 At Turbine						
☐ Fail	#24 At Dispenser						
	#25						

* Remote reading is 25 feet from tank.

Northwest Tank & Environmental Services, Inc.

Corrosion Survey Field Data & Table

Rectifier Maintenance Data Sheet

Location: Smitty's #140
520 E Columbia Dr
Toppenish WA 98948

Test Date: 4/17/2007

Operator: Josh Raymond

Rectifier Unit No.:
Location of Rectifier: side of building by vents and power meter
Type of Rectifier: Air cooled
Manufacturer: Universal
Installed:
Type of Anodes:
Type of Anode Bed:
Number of Anodes:
Size:
Anode Bed Location:
Rectifier AC Input: 115 Volts 1 Phase 60 Cycle
Rectifier DC Output: 72 Volts 12 Amperes

Rectifier TapSetting	DC Output		Date	Inspected By	Notes
Coarse / Fine	Volts	Amperes			
3 / 5	71.9	0	4/17/2007	Josh Raymond	meter 72565.61